

AMENDMENTS TO THE ABSTRACT

A reactor ~~(5)~~ having a predetermined small capacity is connected to a rectifier, ~~(2)~~, and a capacitor ~~(6)~~ having a predetermined small capacity ~~which~~ is connected between DC bus lines of the inverter ~~(3)~~. A PN voltage corrector ~~(10)~~ calculates a ratio of the DC voltage detection value of the inverter obtained by the PN voltage detector ~~(9)~~ to a predetermined DC voltage reference value of the inverter ~~(3)~~ to thereby generate a PN voltage correction factor. A beat amount corrector ~~(16)~~ calculates a fluctuation amount of the motor current from the motor current detection value obtained by the motor current detector ~~(15)~~ and generates a reverse phase component of the motor current fluctuation amount. Thus, a small, light and low-cost inverter controller can be implemented.